ThinkCentre M90t Gen 6 12YS000XGE

Lenovo PSREF Product Specifications Reference

PERFORMANCE

Processor

Intel® Core $^{\text{TM}}$ Ultra 7 265, 20C (8P + 12E) / 20T, Max Turbo up to 5.3GHz. 30MB

Al PC Category^[1]

AI PC

NPU

None

Graphics

Integrated Intel® Graphics

Chipset

Intel® Q870 Chipset

Memory

2x 16GB UDIMM DDR5-5600

Memory Slots

Four DDR5 UDIMM slots, dual-channel capable

Max Memory^[2]

Up to 128GB DDR5

Storage

1TB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

Max Storage Support[3][4]

Up to six drives, 2x 3.5" HDD + 1x 2.5" HDD + 3x M.2 SSD

- 3.5" HDD up to 2TB
- 2.5" HDD bay is only for customer self upgrade
- M.2 SSD up to 2TB each

Card Reader

None

Optical None

Audio Chip

High Definition (HD) Audio. Realtek® ALC623-CG codec

Speakers

2Wx1

Power Supply

500W 92%

DESIGN

Keyboard

USB Traditional Keyboard, Black, German

Mouse

USB Calliope Mouse, Black

Optional Bay

2nd M.2 Bracket + 2nd 3.5" HDD Bracket

Expansion Slots

- One PCle® 5.0 x16
- One PCle® 4.0 x16 (x4 signal)
- Two PCle® 3.0 x1
- Four M.2 slots (one for WLAN, three for SSD / discrete NPU)

Case Color

Black

Stand

No stand

Dust Filter

None

Pen

Pen Not Supported

Form Factor

Tower (17L)

Dimensions (WxDxH)[5]

170 x 298 x 376 mm (6.7 x 11.7 x 14.8 inches)

Weight^[6]

6.5 kg (14.3 lbs, maximum configuration)

CONNECTIVITY

WLAN + Bluetooth®

Intel® Wi-Fi® 7 BE200, 802.11be 2x2 + BT5.4, vPro®

WWAN

Non-WWAN

Ethernet

Integrated 100/1000M

Front Ports

- 1x USB-C* (USB 20Gbps / USB 3.2 Gen 2x2), with 15W charging
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 2x USB-A (USB 10Gbps / USB 3.2 Gen 2)
- 1x headphone / microphone combo jack (3.5mm)

Rear Ports[7]

- 2x USB-A (Hi-Speed USB / USB 2.0)
- 2x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x HDMI® 2.1 TMDS
- 2x DisplayPort[™] 1.4a (HBR2, DSC)
- 1x Ethernet (RJ-45)
- 1x line-out (3.5mm)

Optional Rear Ports (configured)

None

SECURITY & PRIVACY

Security Chip

Discrete TPM 2.0. TCG certified. FIPS 140-2 certified

Fingerprint Reader

No fingerprint reader

Physical Locks

- Kensington® Security Slot™. 3 x 7 mm
- Padlock Loop

Smart Cable Clip

None

Chassis E-Lock

None

Chassis Intrusion Switch

Chassis Intrusion Switch

MANAGEABILITY

System Management^[8]

Intel® vPro® Enterprise

SERVICE

Base Warranty

3-year, Onsite

Included Upgrade

1Y Premier Support from 3Y Onsite WHB (CPN)

CERTIFICATIONS

Green Certifications

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered
- TCO Certified 10.0
- ErP Lot 3
- GREENGUARD®
- · RoHS compliant

Mil-Spec Test

MIL-STD-810H military test passed (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock, Solar Radiation, Contamination by Fluids, Salt Fog)

SOFTWARE

Operating System

Windows® 11 Pro, German

Bundled Software

None

ACCESSORIES

Bundled Accessories

None

MODEL

 TopSeller
 : Yes
 Announce Date
 : 2025-06-17

 EAN / UPC / JAN
 : 0198158143035
 End of Support
 : 2031-11-29

· Lenovo reserves the right to change specifications without notice.

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Technical Account Managers for proactive relationship and escalation management



Comprehensive hardware & OEM software support



Priority on service delivery and repair parts



Single point of contact for simplified end-to-end case management



Lenovo Service Connect Portal for customized reporting and product support

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

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- Onsite Support

- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories



Lenovo USB-C to Ethernet Adapter

4X90S91831

The Lenovo USB-C to Ethernet Adapter is quick and easy way to connect your USB-C enabled notebook to Ethernet connections. It's ideal for imaging of systems or transferring large files quickly.

Recommended Services

BEST	5Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1J31179)
BETTER	4Y Lenovo Support (Premier Support + KYD + International Upg) (5PS1J31175)
GOOD	3Y Premier Support upgrade from 1Y Premier Support (5WS1C83305)

Please click here to view the full list of accessories.

